



Pella

PRODUCTS

ROLSCREENS

VENETIAN BLINDS

UNIT CASEMENTS

ROLSCREEN COMPANY • PELLA, IOWA.

THE 3 FAMOUS *Pella* PRODUCTS



Pella ROLLSCREENS

The standard of leadership among inside, rolling window screens. Once in place — always in place! Inconspicuous—they preserve the beauty of sparkling glass. Trouble-free operation assured by 15 exclusive, patented features.



Pella VENETIAN BLINDS

Truly the mark of practical elegance. Pella conceals all mechanism in neat, enclosed head piece only 1 3/8" deep! Positive double roller tilting device prevents slipping — trebles cord life! Finest materials. Gorgeous colors.



Pella CASEMENT WINDOWS

The only really complete window! Metal frame—wood lined. RolSCREENed. Weather stripped. Dual glazed. Completely factory assembled. Meets rigid requirements of modern heating and air conditioning. For all types of architecture.



Pella
ROLSCREENS



MODERN PELLA ROLSCREENS preserve the architectural beauty of clear, sparkling windows because they are so inconspicuous.

Old-fashioned, flat frame screens blot out beautiful windows—actually making a house old years before its time!

Specify ROLSCREENS—they help keep the homes you design looking like new.

Home owners never cease to appreciate the convenience of ROLSCREENS—nor do they ever seem to tire of proudly demonstrating them to friends and visitors.

ROLSCREENS are fool-proof. Designed, engineered and durably built to give trouble-free, lifetime service. Over 1 ½ million are in use today in homes and buildings costing \$5000 and up.



Pella ROLSCREEN CONSTRUCTION

De Luxe Type

1. SCREEN GUIDES automatically adjust if woodwork shrinks or swells.



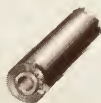
2. INDESTRUCTIBLE. Rolscreens will not bulge or tear. Wire-cloth releases from guides when and if struck—then automatically re-enters guides when screen is raised.

3. LUGS IN SELVAGE are gripped by inconspicuous Rolscreen guides to prevent sagging of wire-cloth.

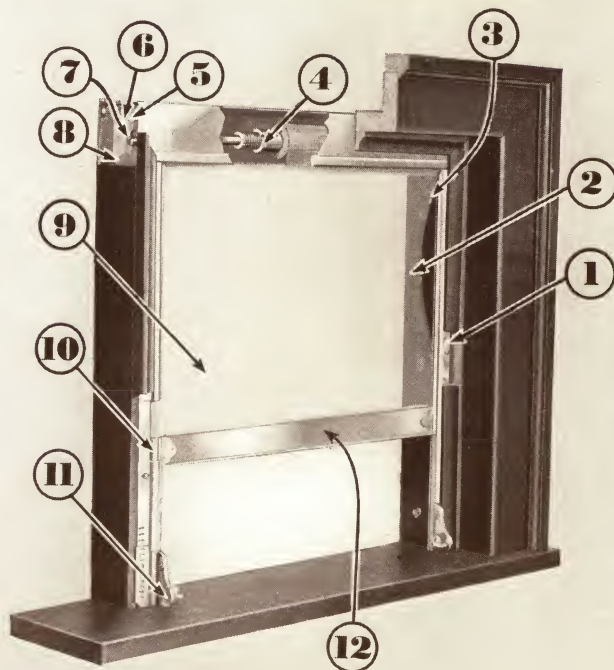
4. COIL SPRINGS are extra-heavy and oil tempered. Will not jam or fail.



5. SPRING TENSION is easily adjusted without disturbing screen.



6. BALL BEARINGS at both ends of roller assure smooth, easy operation, long life.

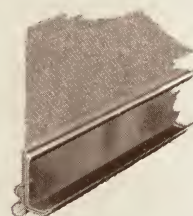


8. INVISIBLE ROLLER HOUSING made of lead-coated, terne-plate which makes perfect bond for paint. Electrically welded construction.

9. ALUMINA WIRE-CLOTH is triple-selvaged, rust-proofed — almost invisible. Self-cleaning. Will not break or crack under constant flexing. Clear grey color gives maximum visibility.

10. FRICTION BLOCKS prevent tilting of operating bar. Insure smooth, even operation at all times.

11. LOCK AUTOMATICALLY at bottom when lowered, giving secure fastening to all four sides of Rolscreen. Cannot be unlocked from outside.



7. ROLLER FLOATS forward when screen is lowered; backward when screen is raised. Eliminates drag on wire-cloth at housing edge.

12. PERFECT CLOSURE with sill is afforded by resilient, rubberized felt strip across bottom of operating bar.

ROLSCREENS fit any type and make of window . . . double-hung or casement . . . wood, steel or aluminum. Hundreds of special detail drawings are available for your reference.

Similarly, ROLSCREENS blend in perfectly with any style of window architecture and with any desired draping effect.

ROLSCREENS ARE ECONOMICAL

With ROLSCREENS, the first cost is the last cost. They positively eliminate all the usual yearly expenditures of labor and money for care, repairs and storing. Installed on the inside—they are conveniently accessible.

ROLSCREENS do not accumulate dust and dirt like outside screens. They do not interfere with casement latches or window locks. They make window washing easier.

10 YEAR GUARANTEE

ROLSCREENS are guaranteed against defects in workmanship or material for a period of ten years. A new ROLSCREEN or parts will be furnished FREE of CHARGE for any failing under this GUARANTEE. This does not cover damage or abuse to the screen or any other condition beyond the normal control of the ROLSCREEN COMPANY.

Children are safer because ROLSCREENS are "locked" in securely at the top, bottom and both sides. The whole household is safer because ROLSCREENS cannot be unlocked from the outside!

STOCK SIZES AVAILABLE

Both DeLuxe and Standard ROLSCREENS are built in sizes to fit all window openings from 10 inches to 61 inches wide and up to 120 inches high. They are carried in stock ready for immediate shipment.

ROLSCREEN MOUNTINGS

FRICTION ANGLES (illustrated left top) provide a simple means for mounting ROLSCREENS without special fitting or cutting of the wood trim. These angles support the roller housing and frictionally hold the ROLSCREEN guides. Made in $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and $\frac{7}{8}$ in. depths so that stock size ROLSCREENS can be fitted into all fractional inch width openings. See pages 6 and 7 for details.

DIRECT ATTACHMENT (illustrated left center) of ROLSCREENS onto steel casement sections is entirely practical for steel casements equipped with "screen-type" hardware. No special fitting or cutting. See page 7 for detail.

PLASTER CHANNELS (illustrated bottom left) are set on the rough jambs and then imbedded in the plaster. Ideal for installations where there is no wood trim and plaster is brought around jamb up to the sash. Removable filler caps support the roller housing. These caps also enable the housing to be easily and quickly removed.

SPECIFICATIONS

(A) SCREENS

Screens shall be (**DeLuxe**) (**Standard**) RolSCREENS as manufactured by the RolScreen Company, Pella, Iowa.

(B) WORK INCLUDED

Note: List and locate either in schedules on plans or in specifications under this heading. If both double hung and casement windows are included, list or schedule each under separate subheading.

(C) MATERIALS AND CONSTRUCTION

(C-1) **Metal**—Housing, guides and locking bar shall be constructed of heavy lead-coated terne-plate.

(C-2) **Wire Cloth**—Screen wire shall be 16 mesh rustproofed "AluminA" with triple selvage. The screen cloth shall have lugs spaced at regular intervals along the two edges which shall be engaged by the tubular guides.

(C-3) **Metal Housing and Roller Assembly**—The screen cloth shall be attached to a steel roller encasing a heavy, thoroughly lubricated, oil-tempered spring. The roller shall be (**roller bearing**) contained in a metal housing $2\frac{5}{8}$ in. square ($2\frac{7}{8}$ in. if opening is over 84 in.). Roller mounting shall be of floating type which allows roller to automatically move forward as size of screen roll reduces, eliminating "drag" of screen wire on lower edge of roller housing.

(C-4) **Guides**—The jamb guides shall be so mounted that they are slidably adjustable when the screen is raised or lowered to compensate for any expansion or contraction in the window frame. The guides shall be provided with lips at their upper ends inserted into slots in the roller housing (to assure proper alignment) with the beaded portion cut away adjoining the housing to allow the screen wire to re-enter the housing when accidentally knocked out of the guides.

(C-5) **Spring Catches**—Spring catches shall be attached to the lower end of the guides carefully adjusted to automatically lock the cross bar of the screen close to the sill.

(C-6) **DeLuxe Operating Bar and Spring Tension Adjuster**—Provide DeLuxe Operating Bars with rubberized felt sill contacts and Spring Tension Adjusters.

(D) WOOD JAMB STOPS

The wood stops, to which the screen guides are fastened and which support the roller housing, shall be furnished and installed with stop screws and washers by others.

(E) PLASTER JAMB CHANNELS

RolScreen guides and housing shall be mounted on plaster jambs in RolScreen Plaster Channels set in position before plastering. Channels shall be set absolutely plumb and true on each jamb and accurately on some "full inch" dimension back to back.

(F) FRICTION ANGLES

Friction angles shall be mounted on the jambs or window as detailed and shall be set true and plumb. They shall receive and hold in position the RolScreen housing and guides.

(G) INSTALLATION

RolSCREENS shall be accurately installed in strict accordance with the manufacturer's erection instructions. Guides shall be so mounted that the beaded portions and outside edges of guides shall not be in contact with window jambs. Screen shall operate freely and easily.

STANDARD TYPE ROLSCREENS

Standard ROLSCREENS have all the construction and operating features as given for DeLuxe ROLSCREENS on opposite page, except 5. Spring Tension Adjustment, 6. Ball Bearings, 12. Rubberized Felt Strip on Operating Bar. However, feature 12 may be had with Standard ROLSCREENS at slight extra cost.

Pella ROLSCREEN

TYPICAL WIDTH DIMENSIONS

PELLA ROLSCREEN INSTALLATION DETAIL

IMPORTANT: RolSCREENs are built in Standard Stock Sizes, varying by just 1" in widths, from 10" to 61", inclusive. The "A" widths as indicated are nominal stock size widths. An example of possible variation in over-all widths of a 24" stock size is given at right. The over-all width on this 24" size can vary from a minimum of 23" to a maximum of 23 7/8".

The "B" dimension taken from face to face of stops MUST BE CONTROLLED to any "half-inch", viz., 22 1/2" for this 24" stock size example. This dimension can always be arrived at by varying the thickness of the stops. For close fit this "B" dimension may be reduced by 1/8" to, for instance, 22 3/8", 23 3/8", etc., but it must be accurately adhered to.

Three flange widths on guides are available as shown.

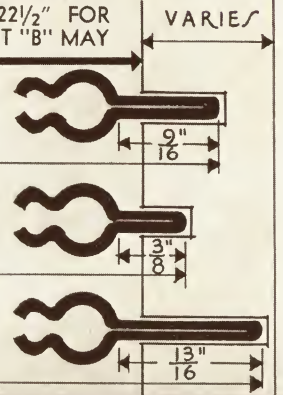
"H" is height dimension and can vary.

"B" THIS DIMENSION MUST BE CONTROLLED TO ANY "HALF-INCH" VIZ., 22 1/2" FOR 24" ROLSCREEN. FOR CLOSE FIT "B" MAY BE REDUCED 1/8" TO 22 3/8"

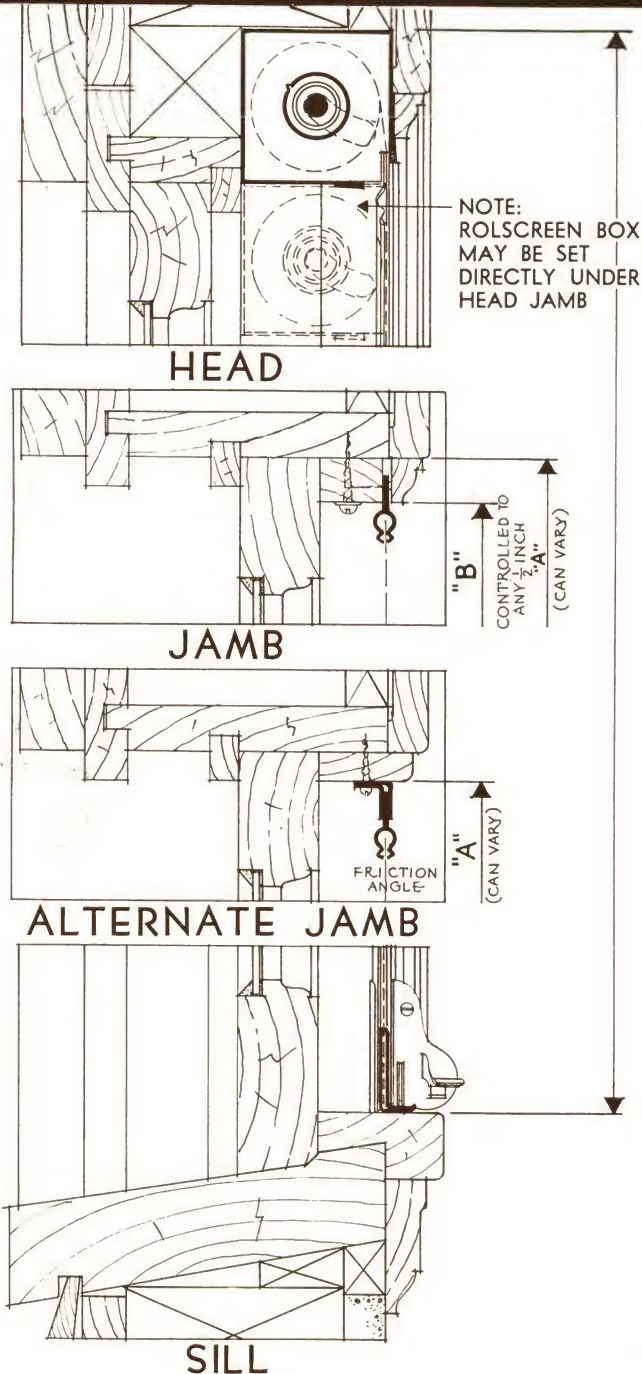
"A" MINIMUM OVER-ALL STANDARD FLANGE GUIDES 23 3/8"

"A" MINIMUM OVER-ALL NARROW FLANGE GUIDES 23"

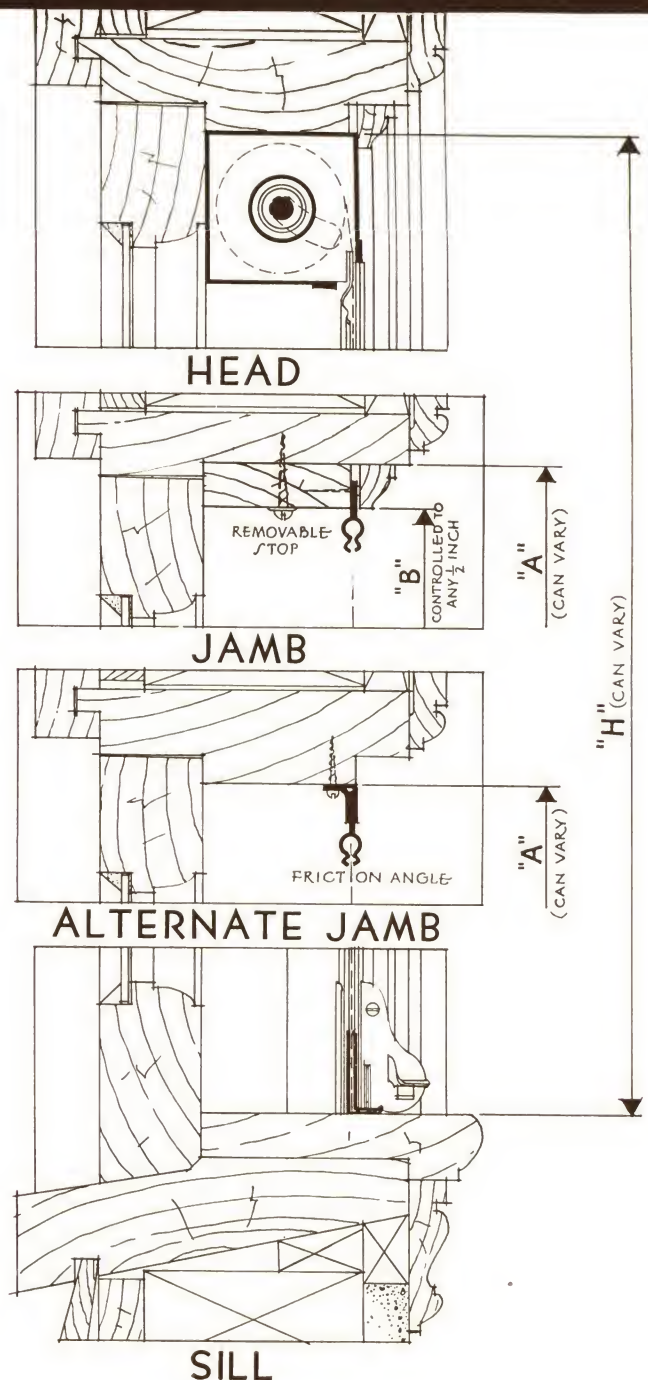
"A" MINIMUM OVER-ALL WIDE FLANGE GUIDES 23 7/8"



DOUBLE HUNG



WOOD CASEMENTS



INSTALLATION DETAIL

4 HOUSING SIZES

2 $\frac{5}{8}$ " Housing is considered Standard and can be used for heights up to 84".

2 $\frac{7}{8}$ " Housing must be used for heights over 84".

2 $\frac{1}{8}$ " Housing may be used for heights up to 54".

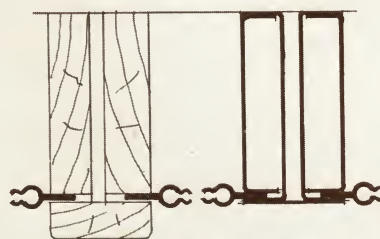
1 $\frac{7}{8}$ " Housing may be used for heights up to 36".

REVERSED OPERATING BAR — If desirable, the operating bar attached to the bottom of the screen cloth can be reversed so that the screen cloth will unroll out of the back of the housing instead of the front, thus placing the cloth and side guides nearer the sash.



HOUSINGS IN
FOUR SIZES

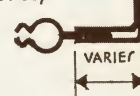
MULLIONS



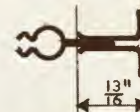
MULLIONS MAY BE MADE UP OF WOOD OR STEEL. STEEL MULLIONS FURNISHED BY ROL-SCREEN COMPANY

SPECIAL MOUNTINGS

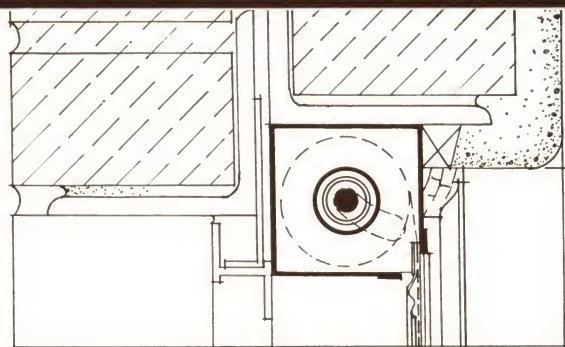
FRICTION ANGLE
(DETAIL NO. 50)



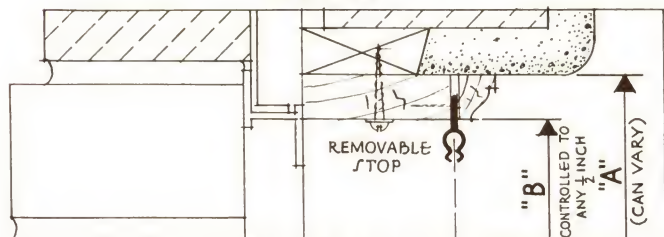
PLASTER CHANNEL



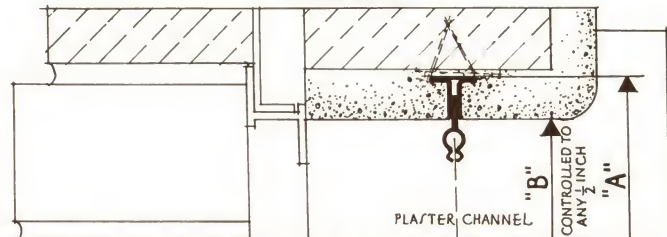
STEEL CASEMENTS



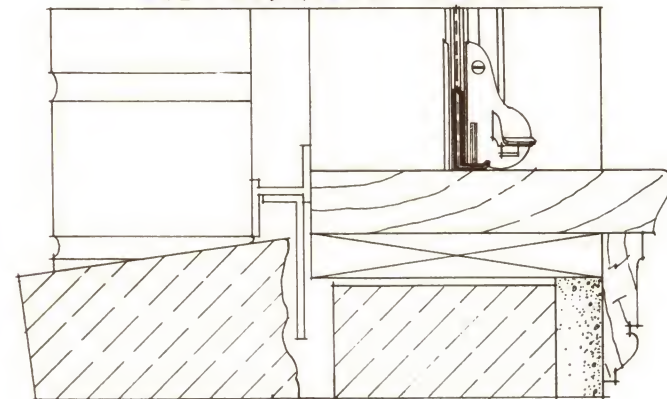
HEAD



JAMB



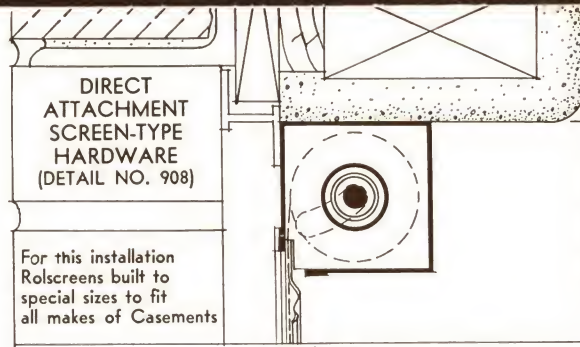
ALTERNATE JAMB



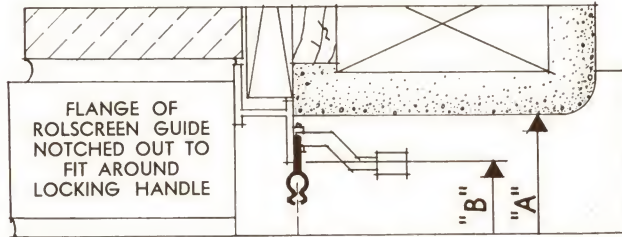
SILL

"H" (CAN VARY)

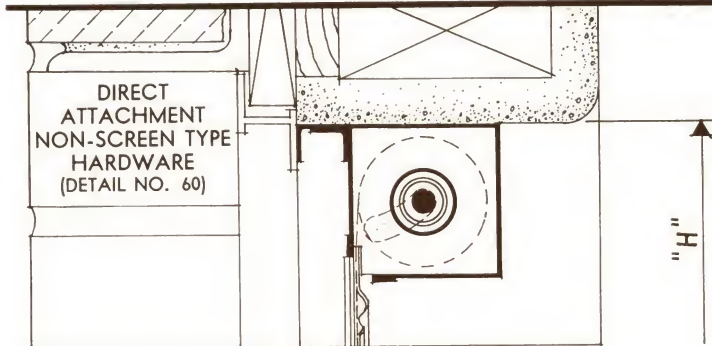
STEEL CASEMENTS



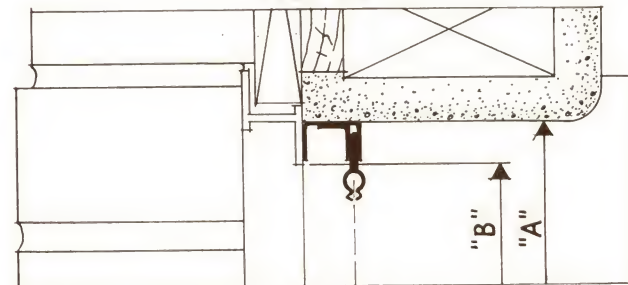
HEAD



JAMB



HEAD



JAMB

"H"

"H"

"B"

"A"

Pella CASEMENT CONSTRUCTION

FEATURES OF Pella UNIT CASEMENTS

HEAVY, RUST-PROOF METAL FRAME IS WOOD LINED FOR BEAUTY AND INSULATING QUALITIES

1. **ROLSCREENED**—Equipped with famous Pella ROLSCREENS. No storing, no taking down for window washing.
2. **BEAUTIFUL HARDWARE**—Specially designed. Graceful lines and easy to operate. Satin, polished chrome or statuary bronze.
3. **RIGID METAL FRAMES**— $\frac{1}{8}$ in. rust-proof, special process, zinc-coated steel. $5\frac{1}{8}$ in. wide. Made to fit all walls.
4. **DUAL GLASS**—Removable, single panel, Libbey-Owens DSA glass protects against winter cold and summer heat.
5. **WEATHERSTRIPPING**—Spring bronze, exclusive design. Not affected by painting. Adjustable. You can see it work.
6. **INSIDE INTERLOCKING FINS**—Galvanized steel. Can be punched with nails when installing. Light gauge.
7. **WOOD TRIM**—Frame lined with clear white pine (other woods if desired). Insulates—beautifies.
8. **FACTORY ASSEMBLED**—Factory-fitted complete with sash, ventilating equipment, dual glass and ROLSCREEN.

AUTHENTIC DESIGNS

PELLA CASEMENTS blend into and emphasize the character of any style architecture. They will convey the impression of dignity and stateliness required for colonial architecture, "coziness" for Cape Cod, breadth for Modern or Spanish and sturdiness for half-timbered English.

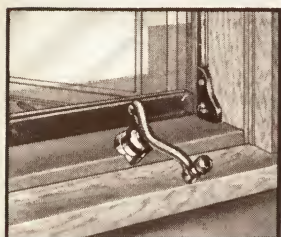
Can be specified with glass arrangements in either small panes or long, horizontal lights. Vertical muntins may be omitted.



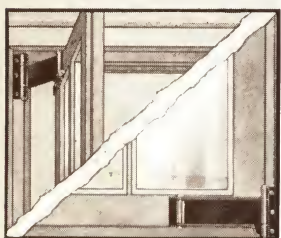
The Window That Has Everything

PELLA CASEMENTS are completely assembled at the factory, sash made of genuine white pine accurately fitted with all hardware, weatherstripping, non-extension cleaning hinges, underscreen sash operator, sash locks, and the famous PELLA ROLSCREENS completely installed. No tedious fitting and assembling on the job.

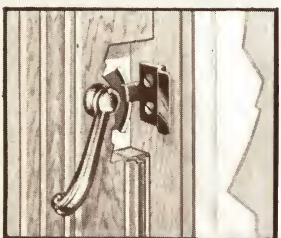
The PELLA UNIT CASEMENT is a complete unit, designed for practical and simple installation to meet the needs of modern air conditioning and ventilating and is highly efficient as to weathering, air leakage, and heat and cold conductivity. PELLA CASEMENTS are among the few really complete windows on the market today.



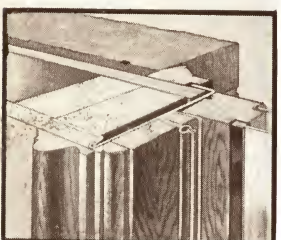
UNDER-SCREEN OPERATOR, worm gear type. Satin, polished chrome or statuary bronze finished handles.



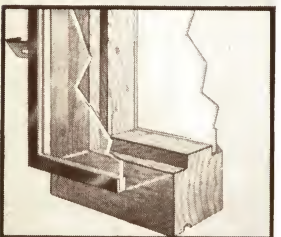
NON-EXTENSION HINGES unlatch so as to permit washing outside of windows from the inside.



GRACEFUL SASH LOCKS have cam action. Sturdy. Satin, polished chrome or statuary bronze.



STEEL FRAMES fit snugly into any wall. No warping. No joints to pull apart. Galvannealed.

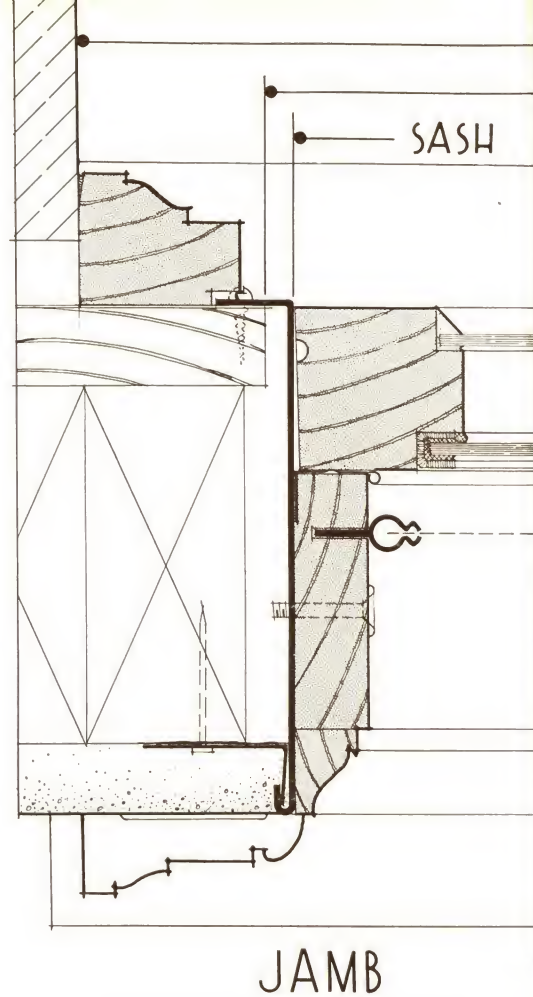
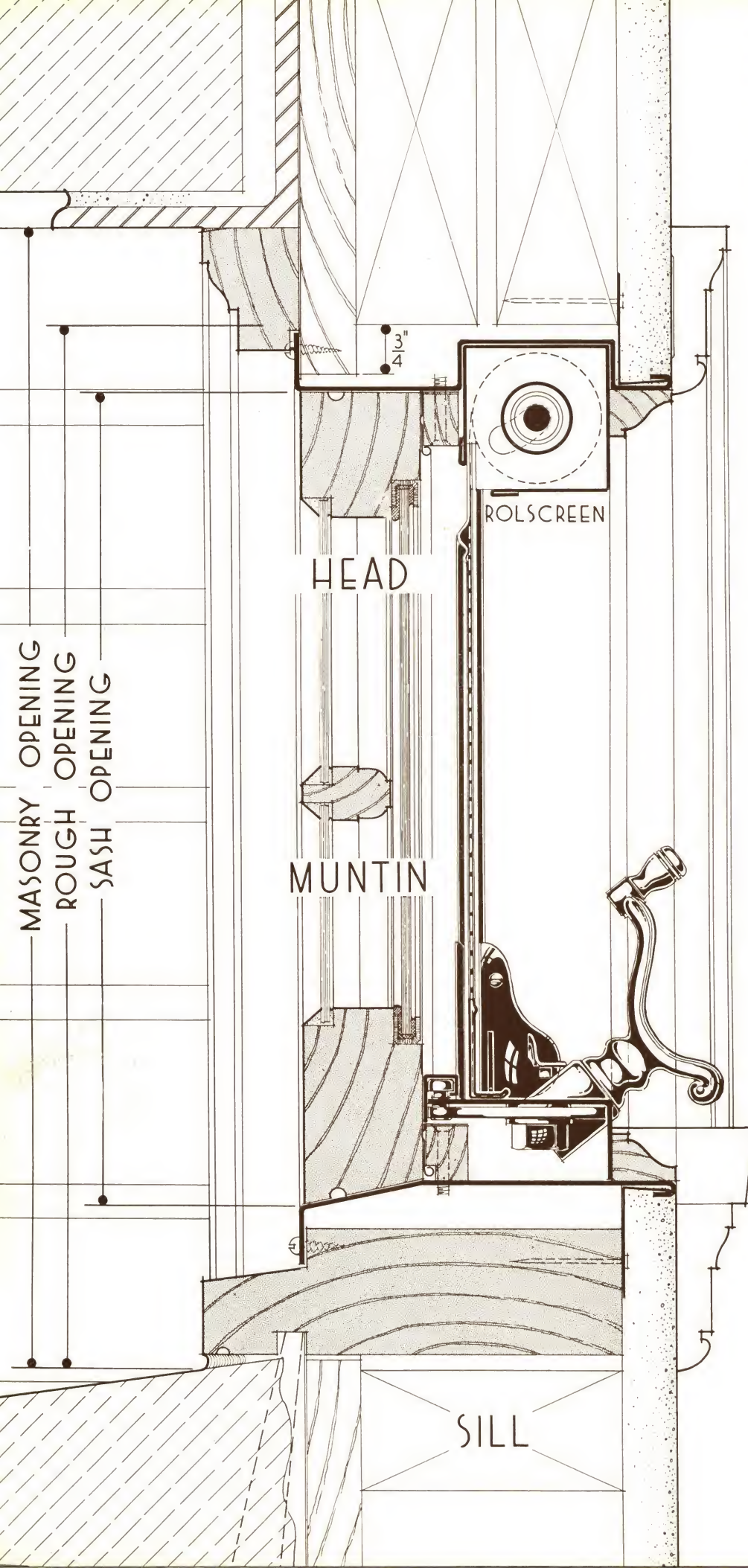


DUAL GLAZING insulates against winter cold and summer heat. Easily removable.



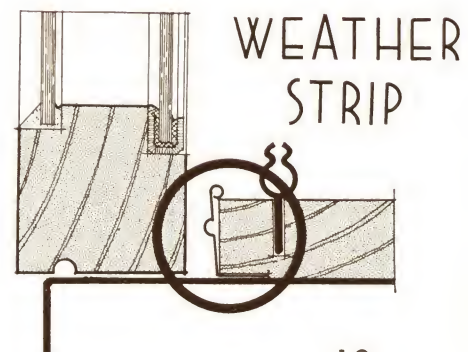
PARTIAL TABLE OF SIZES

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Pella
**CASEMENT
 WINDOWS**

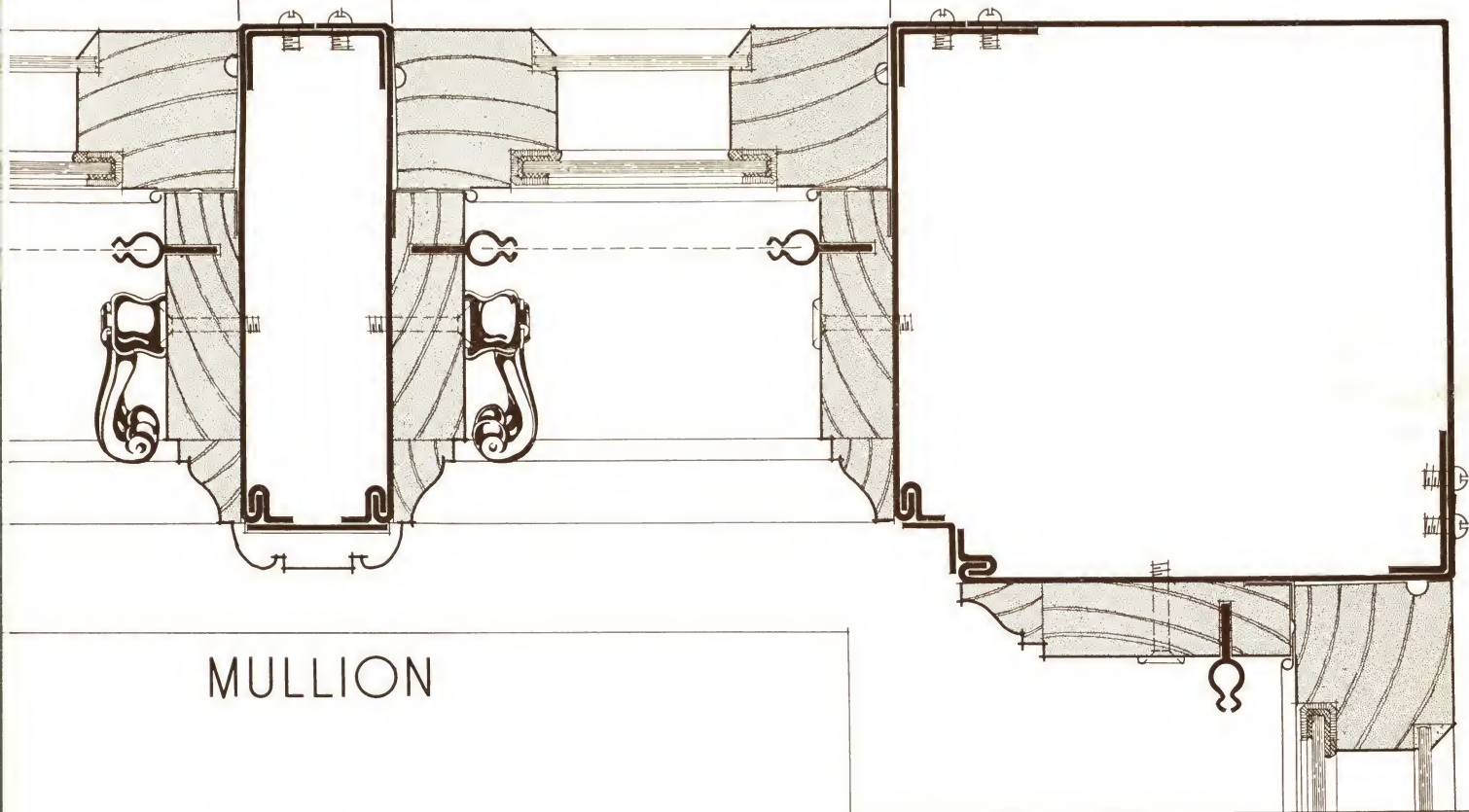
WRITE FOR DETAILS
 SHOWING ALL TYPES
 OF WALL CONSTRUCTION



MASONRY OPENING

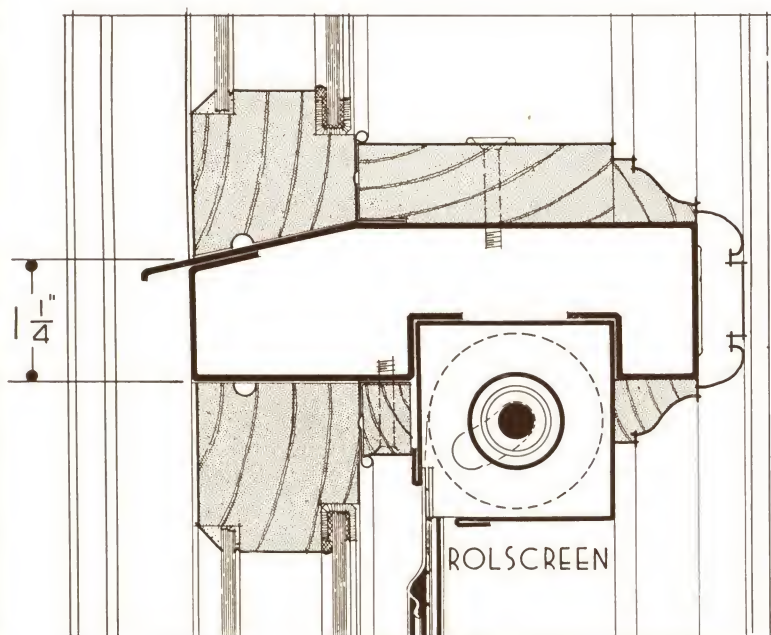
ROUGH OPENING

OPENING 1 $\frac{5}{8}$ " SASH OPENING

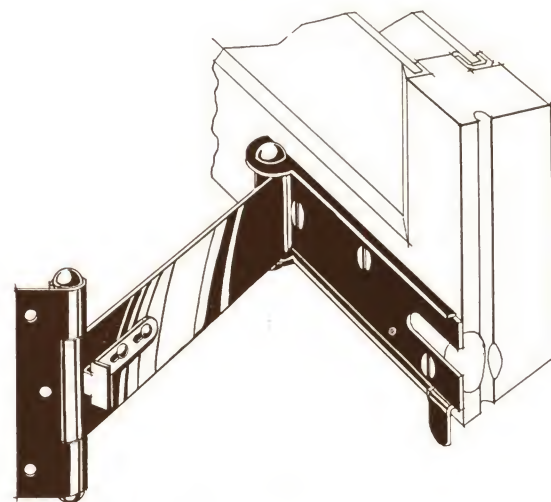


MULLION

CORNER WINDOW SECTION



TRANSOM



HINGE

HALF FULL-SIZE
DETAIL NO 1105

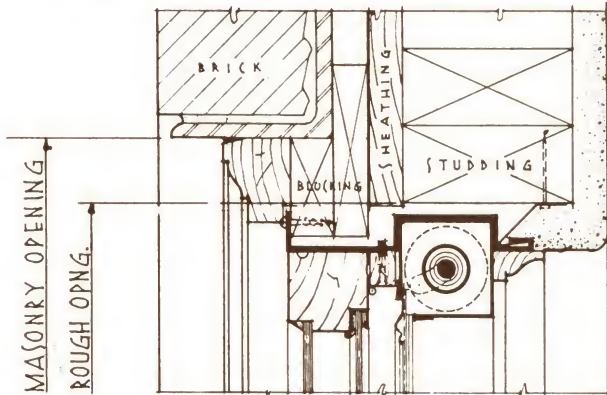
BRICK VENEER

WOOD FRAME

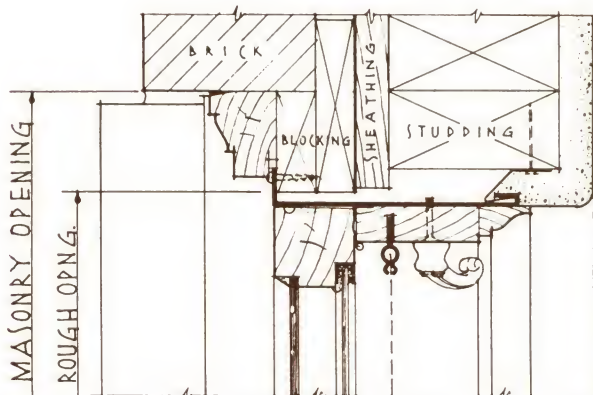
ALL WOOD PARTS AS SHADED IN ARE FURNISHED BY ROLSCREEN CO.

WRITE FOR DETAILS LIKE THESE
showing all types of wall construction

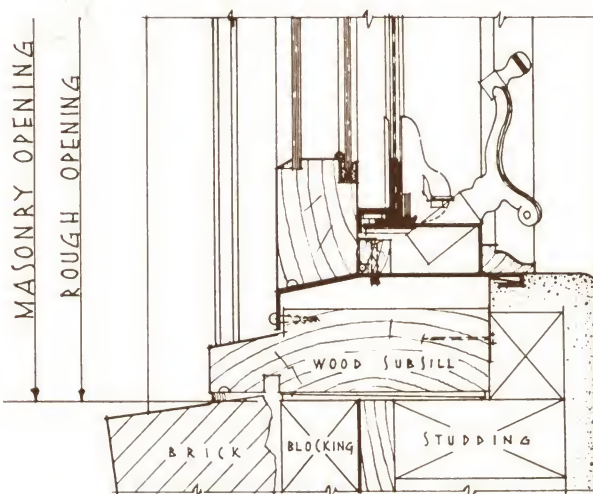
BRICK VENEER DETAIL 1109, QUARTER FULL-SIZE



HEAD

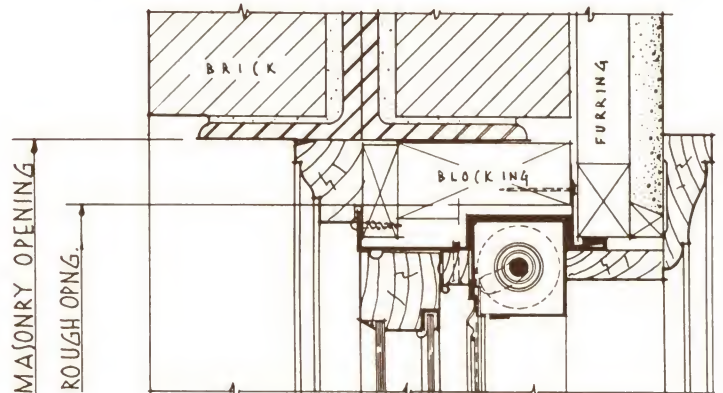


JAMB

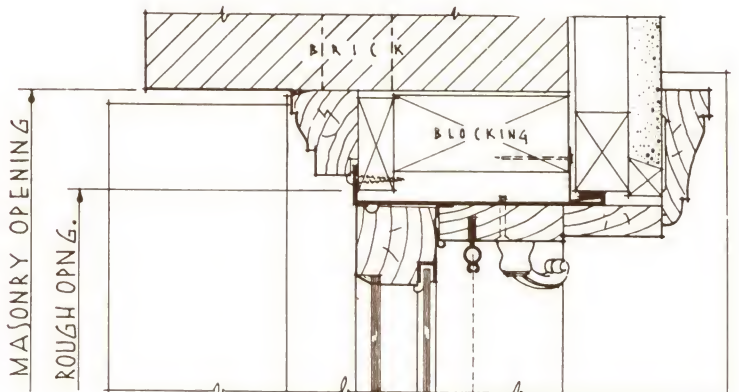


SILL

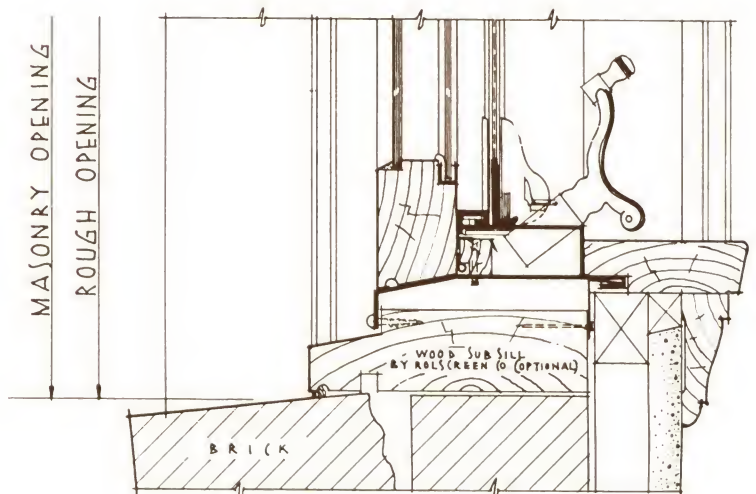
9" BRICK WALL DETAIL 1106, QUARTER FULL-SIZE



HEAD



JAMB



SILL



Walter R. Casson Residence, Des Moines, Iowa

Architects: Kraetsch and Kraetsch, Des Moines, Iowa

SPECIFICATIONS

FRAME—16-gauge ($1\frac{1}{8}$ in.) Galvannealed Steel—special zinc coated and impregnated, rust-proof, non-flaking. Paint adheres perfectly. Over-all width of frame $5\frac{1}{8}$ in. for net wall thickness of $5\frac{1}{4}$ in.

SASH—Treated White Sugar Pine, $1\frac{3}{4}$ in. thick. Corners mortised and tenoned. Water groove all around. Muntin bars $\frac{3}{8}$ in. between glass; dividing of lights as shown in size schedule is standard. Vertical muntin bars or all muntins may be omitted at no extra cost.

GLASS—Libbey-Owens SSA Standard; DSA, Obscure, $\frac{1}{8}$ in. plate, leaded optional as extra. Or sash can be furnished unglazed with an allowance for glass.

GLASS SIZES— 9×12 in. except 12×12 in. for 1 light wide units and 8×12 in. in 3 light wide ventilating. If vertical bars are omitted, glass size is $18\frac{3}{8} \times 12$ in. for 2 light wide, $24\frac{3}{4} \times 12$ in. for 8×12 in. 3 light wide.

WEATHERSTRIPPING—Spring Bronze, exclusive design—not affected by painting, adjustable—installed so you can see it work.

WOOD TRIM—All wood trim fitted and installed on inside of steel jamb is clear White Pine. Special woods as an extra.

INSIDE INTERLOCKING FINS—Galvanized steel, light gauge—can be punched with nails when installing.

OUTSIDE TRIM—Wood trim in treated Clear White Pine, consisting of brick mould (or outside casing) and wood sub-sill of patterns as detailed furnished as regular equipment.

SASH OPERATOR—Worm gear type made integrally with removable steel sill.

SASH LOCKS—Cam action. One lock installed on sash up to three-lights high. Two locks installed on four and five-lights high. Operator and locking handles finished in statuary bronze (bright or satin chromium optional).

HINGES—Special design double acting, cadmium plated. Sash normally pivots at jamb. By operating simple release, sash pivots away from jamb for washing windows from inside. No exaggerated sash bevel necessary as required with extension hinge. Sash sections are practically $1\frac{3}{4}$ in. square—full size.

MULLIONS—To make up multiple units, individual units are combined with metal mullions as detailed—unusually rigid construction. No extra charge for mullions when outside trim is furnished. Mullions are furnished in lieu of outside wood trim at sides which is not needed when units are combined. Where wood outside trim is furnished by others, there is small extra charge for steel combining mullions.

DUAL GLAZING—A single pane of Libbey-Owens DSA glass set in cadmium plated steel frame and rubber—removable, mounted on wood sash with hinged clips. Prevents frosting in winter—holds out heat in summer.

SCREENS—Famous PELLA ROLSCREENS installed complete. No storing, no taking down for window washing, raised when window is closed, no interference with Venetian Blind installation, no interference with dual glazing.

CAULKING—Ample provision for caulking around sash unit and moulds. Caulking compound and installation screws are included.

Pella VENETIAN BLINDS

conceal all mechanism into neat enclosed head piece



FEATURES OF PELLA VENETIAN BLINDS

All mechanics concealed—eliminating expense of wooden cornices or valances. Mechanism enclosed in a sturdy metal housing only $1\frac{3}{8}$ in. deep. No interference with drapes. Non-slipping, Double Roller Tilting Device: one roller unwinds as the other roller rewinds. Can be quickly adjusted. Ingenious Automatic Lock securely holds blind at any point desired. It cannot slip and doesn't bite cords. Large oversize pulleys—1 in. diameter—greatly reduce cord wear. Slats nest into a neat bundle—20% smaller in size—eliminates light lines or "peek holes." See illustration below.

SPECIFICATIONS

HEAD MEMBER—Shall be an all-metal rigid housing $1\frac{3}{8}$ in. deep by $2\frac{1}{2}$ in. wide.

TILTING MECHANISM—All tilting mechanism shall be concealed in head member and shall consist of a gear-synchronized pair of rollers for winding and unwinding supporting ladder tapes, all to be adjusted so as to be positive, operate easily, tilt without cord slippage and to hold slats in any tilted position.

PULLEYS—Cold rolled steel 1 in. diameter. Concave raceways.

AUTOMATIC CORD LOCK—Non-slip, non-cutting. To positively lock at any point without backlash.

BRACKETS—Heavy steel, of design as required.

SLATS AND BOTTOM RAIL—Shall be made of strictly selected No. 1 Western Yellow Cedar, smoothly finished. Clean cut cord holes in slats. Slats to be $\frac{1}{8}$ in. thick by $1\frac{3}{4}$ in., 2 in. or $2\frac{3}{8}$ in. wide. Bottom rail to be $\frac{3}{4}$ in. thick on small blinds and $1\frac{1}{8}$ in. thick on large and of same width as slats. All edges to be rounded.

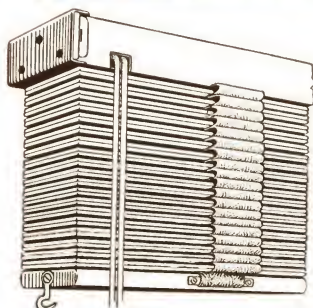
FINISH—Shall consist of three coats synthetic enamel—supplied in 18 standard colors.

LADDER TAPE—Best quality interwoven—supplied in 15 standard colors.

CORDS—Heavy duty, hollow braided, glazed.

GUIDES (When specified)—Cold rolled channels $\frac{1}{16} \times \frac{9}{32}$ in. Guide shoes on every 8th slat.

TYPE OF LIFT—Blinds of 50 sq. ft. and under shall be single lift unless over 72 in. wide. Double lift shall be furnished on blinds of 50 sq. ft. and over and on blinds over 72 in. wide.



BUNDLING FEATURE

BUNDLE SIZE

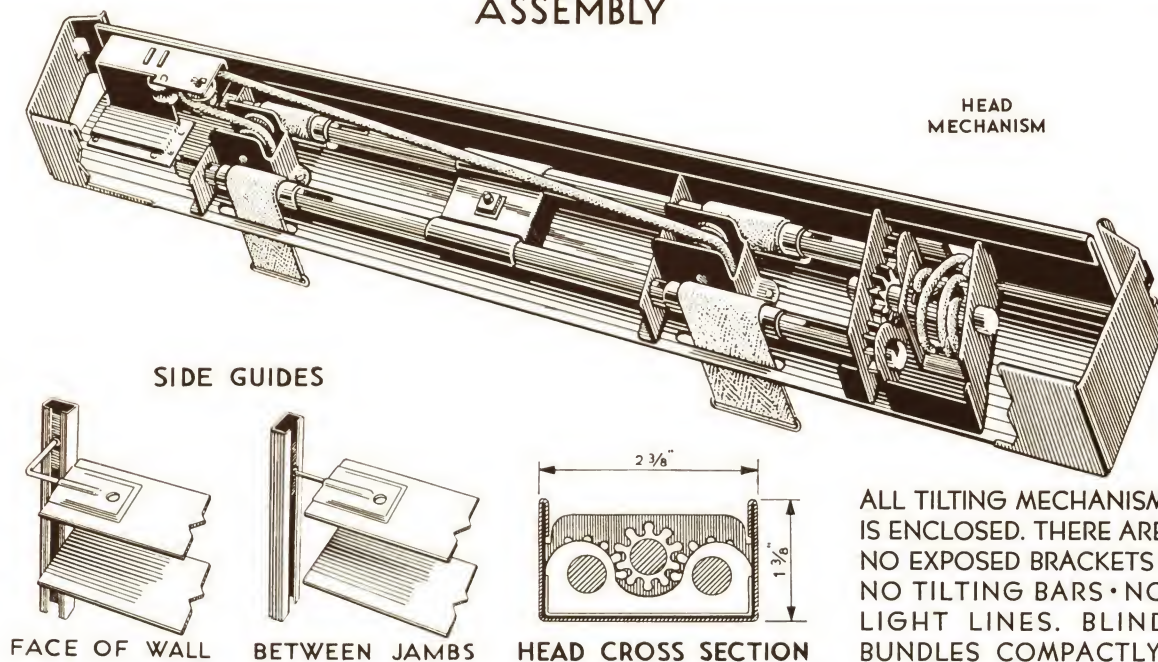
Approximate size of bundle including housing and bottom when blind is raised.

Blind Height	$1\frac{3}{4}$ " Slats	2" Slats	$2\frac{3}{8}$ " Slats
36"	7"	$6\frac{1}{2}$ "	6"
48"	$8\frac{1}{4}$ "	$7\frac{3}{4}$ "	7"
60"	$9\frac{1}{2}$ "	9"	8"
72"	$11\frac{3}{4}$ "	$10\frac{1}{2}$ "	9"
84"	13"	$11\frac{3}{4}$ "	10"
96"	$14\frac{1}{4}$ "	$13\frac{1}{4}$ "	11"
108"	$15\frac{1}{2}$ "	$14\frac{3}{4}$ "	12"
130"	$16\frac{3}{4}$ "	16"	13"

INSTALLATION DETAIL

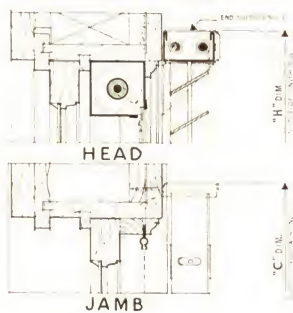
Pella VENETIAN BLINDS

ASSEMBLY

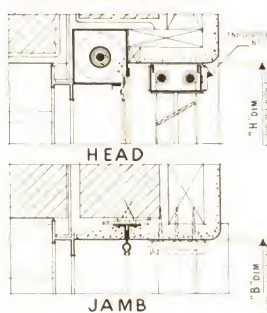


ROLSCREENS AND PELLA VENETIAN BLINDS

DOUBLE HUNG WINDOWS FRAME CONSTRUCTION

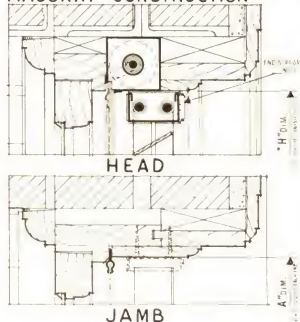


STEEL CASEMENTS

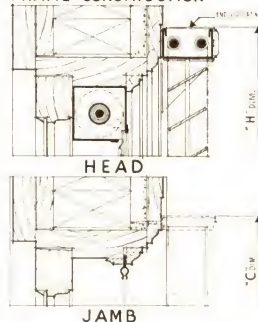


WOOD CASEMENTS

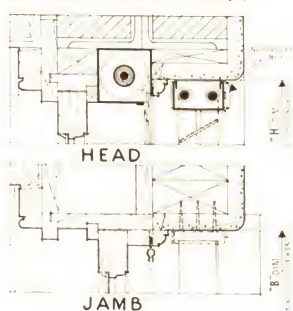
MASONRY CONSTRUCTION



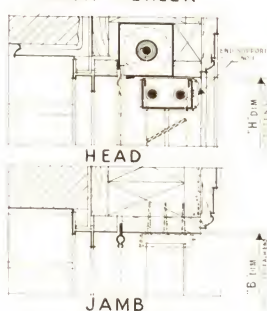
FRAME CONSTRUCTION



MASONRY CONSTRUCTION

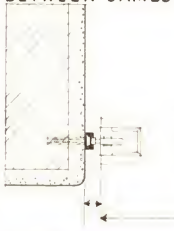


BRICK VENEER



DIMENSIONS FOR GUIDED BLINDS

BETWEEN JAMBS

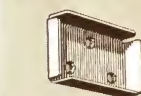


NOTES: ALL FREE HANGING INSTALLATIONS SHOWN ON THIS PAGE CAN BE MADE WITH BLINDS GUIDED AT SIDES OF OPENINGS IF THESE DIMENSIONS ARE OBSERVED. HEIGHT DIMENSIONS FOR GUIDED BLINDS ARE SAME AS FOR FREE HANGING BLINDS.

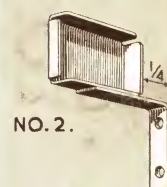
FACE OF WALL



END SUPPORTS



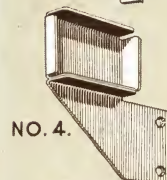
NO. 1.



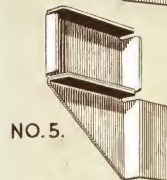
NO. 2.



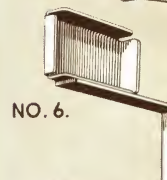
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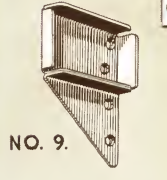
NO. 4.



NO. 5.



NO. 6.

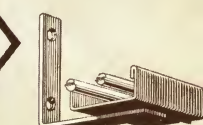


NO. 9.

CENTER SUPPORTS



NO. 7.



NO. 8.

THE STOCK END SUPPORT BRACKETS FOR PELLA BLINDS SHOWN IN THIS COLUMN CAN BE ORDERED BY NUMBER. IF THEY DO NOT MEET SPECIAL CONDITIONS, SUBMIT SKETCH AND DIMENSIONS.

Pella

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